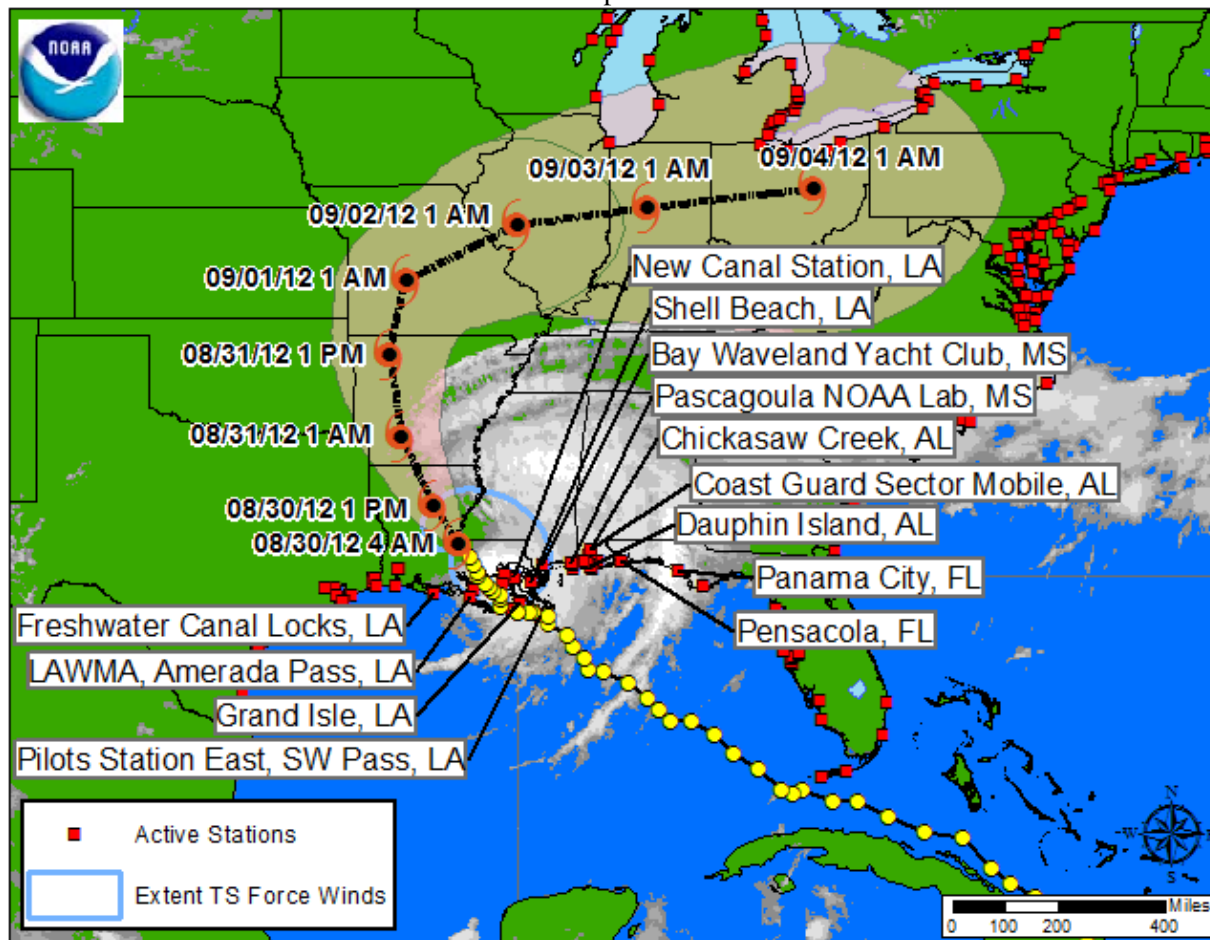




Tropical Storm ISAAC QuickLook  
Posted: 05:00 CDT 08/30/2012



NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 08/30/2012 05:00 CDT, water levels along the Gulf coast from Alabama to Louisiana remain elevated, however at many locations water levels have leveled off or are falling. However water levels continue to rise at New Canal Station, LA within Lake Pontchartrain and measure 6.1 feet above tidal predictions. Water levels along the Louisiana Gulf coast from Shell Beach westward to LAWMA, Amerada Pass range between 1.4 and 2.5 ft above tidal predictions. Water levels along the Mississippi and Alabama coast, including Mobile Bay, range from 2.2 to 4.4 feet above tidal predictions. Water levels along the Florida panhandle remain elevated by 1.2 to 1.8 feet above tidal predictions.

Winds from Alabama to southeastern Louisiana generally range from 15 to 35 knots with higher gusts, A wind gust of 58 knots was measured at Shell Beach, LA over the past few hours. Barometric pressure is rising at most locations..

## Tropical Storm ISAAC QuickLook, POSTED 05:00 CDT 08/30/2012

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.7 ft (0.53 m) at 08/30/2012 12:14 CDT and 1.0 ft (0.31 m) at 08/31/2012 04:15 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 11:03 CDT and 0.5 ft (0.15 m) at 08/31/2012 01:55 CDT.

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.11 m) at 08/30/2012 19:18 CDT and 0.3 ft (0.10 m) at 08/31/2012 21:51 CDT.

Shell Beach, LA: Next predicted high tides are 1.2 ft (0.36 m) at 08/30/2012 14:26 CDT and 0.8 ft (0.26 m) at 08/31/2012 07:22 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT and 1.2 ft (0.38 m) at 08/31/2012 10:13 CDT.

Grand Isle, LA: Next predicted high tides are 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT and 1.1 ft (0.34 m) at 08/31/2012 11:26 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.40 m) at 08/30/2012 15:23 CDT and 1.3 ft (0.40 m) at 08/31/2012 05:05 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.8 ft (0.55 m) at 08/30/2012 13:28 CDT and 1.9 ft (0.58 m) at 08/31/2012 03:51 CDT.

Chickasaw Creek, AL: Next predicted high tides are 1.2 ft (0.38 m) at 08/30/2012 13:06 CDT and 1.1 ft (0.34 m) at 08/31/2012 14:34 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 12:26 CDT and 1.3 ft (0.39 m) at 08/31/2012 13:22 CDT.

Dauphin Island, AL: Next predicted high tides are 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT and 1.2 ft (0.37 m) at 08/31/2012 11:14 CDT.

Pensacola, FL: Next predicted high tides are 1.5 ft (0.46 m) at 08/30/2012 11:08 CDT and 1.3 ft (0.41 m) at 08/31/2012 12:08 CDT.

Panama City, FL: Next predicted high tides are 1.5 ft (0.47 m) at 08/30/2012 10:21 CDT and 1.4 ft (0.43 m) at 08/31/2012 11:16 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING WEST OF INTRACOASTAL CITY LOUISIANA TO CAMERON IS DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* INTRACOASTAL CITY LOUISIANA TO THE MISSISSIPPI-ALABAMA BORDER... INCLUDING LAKE PONTCHARTRAIN AND LAKE MAUREPAS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 400 AM CDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 55 MI SE OF ALEXANDRIA LOUISIANA AND ABOUT 110 MI NW OF NEW ORLEANS LOUISIANA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 8 MPH. A TURN TOWARD THE NORTH-NORTHWEST IS EXPECTED LATER TODAY...FOLLOWED BY A TURN TOWARD THE NORTH ON FRIDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC WILL CONTINUE TO MOVE OVER LOUISIANA TODAY...OVER ARKANSAS ON FRIDAY...AND OVER SOUTHERN MISSOURI FRIDAY NIGHT.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 45 MPH WITH HIGHER GUSTS. THE STRONGEST WINDS ARE PRIMARILY OCCURRING OVER WATER OR NEAR THE COAST. STEADY WEAKENING IS EXPECTED DURING THE NEXT 48 HOURS AS ISAAC CONTINUES TO MOVE OVER LAND. ISAAC IS FORECAST TO BECOME A TROPICAL DEPRESSION BY TONIGHT.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES...280 KM FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON NEARBY SURFACE OBSERVATIONS IS 983 MB...29.03 INCHES.

HAZARDS AFFECTING LAND

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EVEN THOUGH ISAAC IS NO LONGER A HURRICANE...LIFE-THREATENING HAZARDS FROM STORM SURGE...INLAND FLOODING...AND TORNADOES ARE STILL OCCURRING.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- \* MISSISSIPPI AND SOUTHEASTERN LOUISIANA...5 TO 10 FT
- \* ALABAMA...2 TO 4 FT
- \* SOUTH-CENTRAL LOUISIANA...1 TO 3 FT
- \* FLORIDA PANHANDLE...1 TO 2 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

BASED ON AN OBSERVATION FROM A NATIONAL OCEAN SERVICE TIDE GAUGE AT NEW CANAL STATION LOUISIANA...A STORM SURGE OF 6.3 FEET IS STILL OCCURRING ON THE SOUTHERN SHORE OF LAKE PONTCHARTRAIN.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE ACROSS THE WARNING AREA THROUGH THIS MORNING.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 25 INCHES...OVER MUCH OF LOUISIANA...MISSISSIPPI...SOUTHWEST ALABAMA AND ARKANSAS THROUGH FRIDAY. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ALONG THE CENTRAL GULF COAST REGION AND PARTS OF THE LOWER MISSISSIPPI RIVER VALLEY THROUGH TODAY.

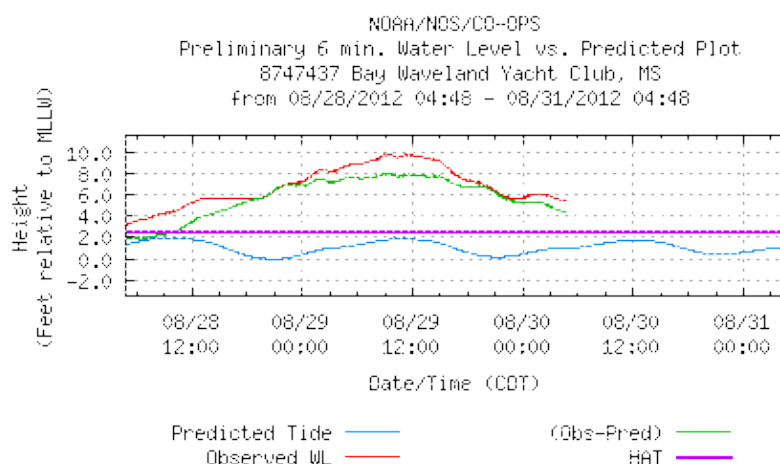
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE WEST COAST OF FLORIDA AND THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Barometric](#), [Chickasaw Creek - Water Level](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#),

Bay Waveland Yacht Club, MS - Return to List

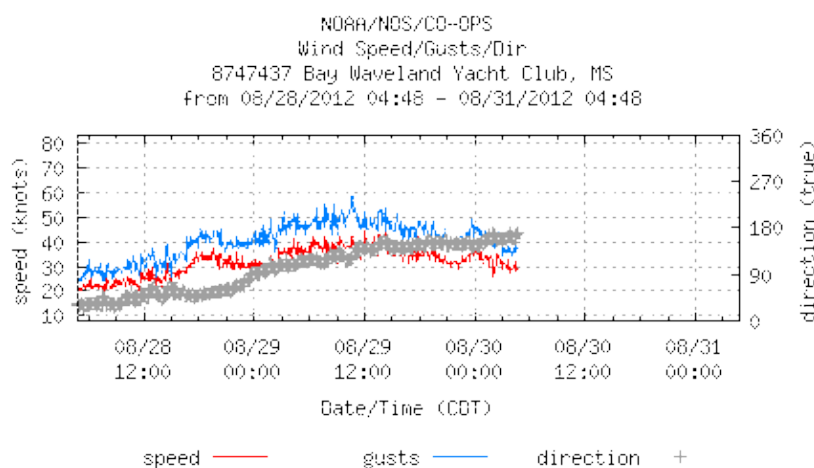


Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: **Observed: 5.39 ft.** **Predicted: 1.01 ft.** **Residual: 4.38 ft.**

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

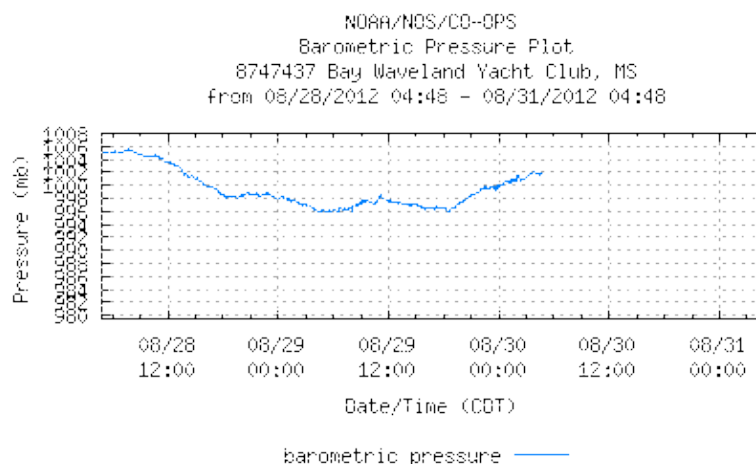
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/30/2012 04:36 (CDT)

**Wind Speed: 29 knots** **Gusts: 37 knots** **Direction: 170° T**

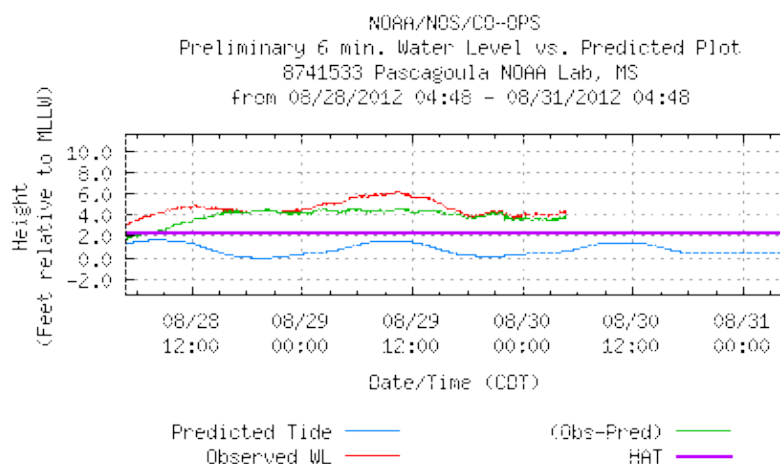
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/30/2012 04:36 (CDT)

Barometric Pressure: 1001.9 mb

Pascagoula NOAA Lab, MS - Return to List

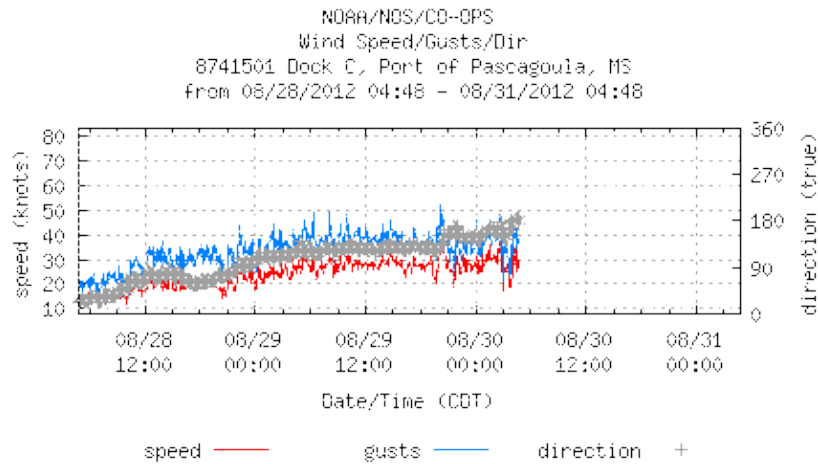


Last Observed Sample: 08/30/2012 04:42 (CDT)

Relative to MLLW: **Observed: 4.31 ft.** **Predicted: 0.62 ft.** **Residual: 3.69 ft.**

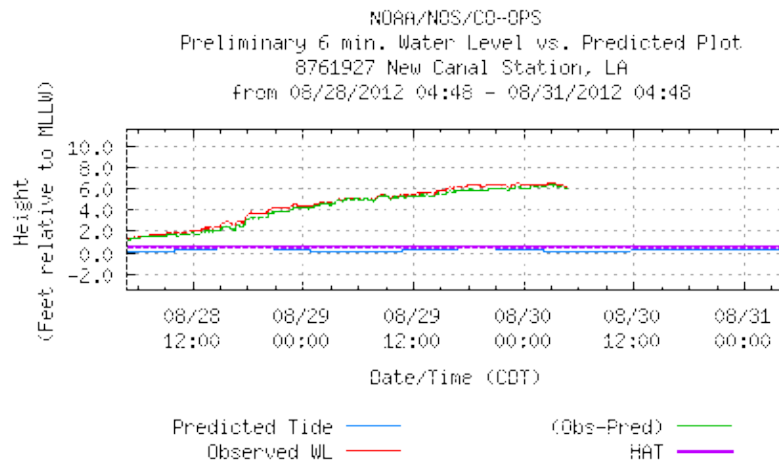
Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Dock C, Port of Pascagoula, MS - [Return to List](#)



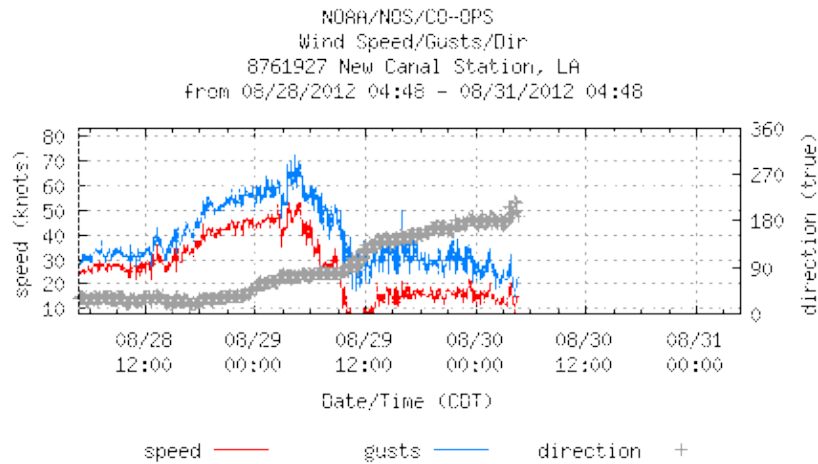
Last Observed Sample: 08/30/2012 04:42 (CDT)  
Wind Speed: 30 knots Gusts: 38 knots Direction: 173° T

New Canal Station, LA - [Return to List](#)



Last Observed Sample: 08/30/2012 04:36 (CDT)  
Relative to MLLW: Observed: 6.19 ft. Predicted: 0.15 ft. Residual: 6.04 ft.  
Historical Maximum Water Level: Sep 13 2008, 4.96 ft. above MHHW

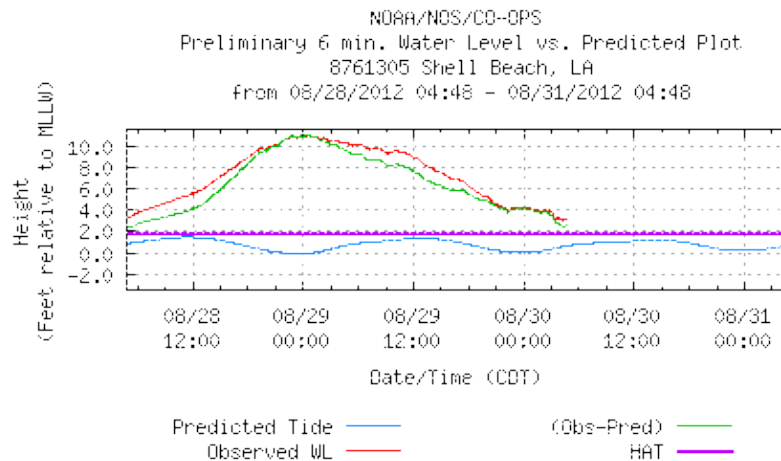
New Canal Station, LA - Return to List



Last Observed Sample: 08/30/2012 04:36 (CDT)

Wind Speed: 15 knots Gusts: 23 knots Direction: 190° T

Shell Beach, LA - Return to List



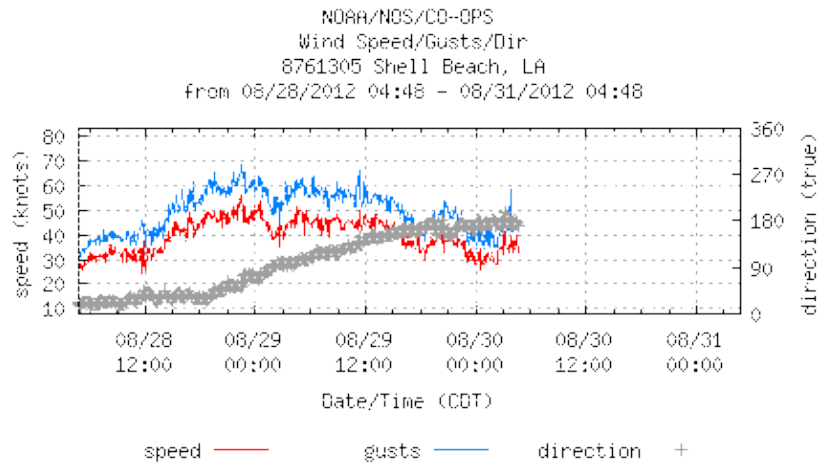
Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: Observed: 3.23 ft. Predicted: 0.64 ft. Residual: 2.59 ft.

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW



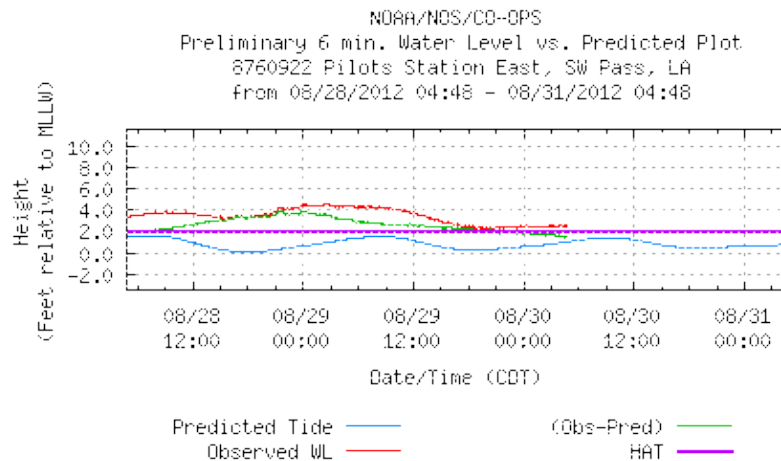
Shell Beach, LA - Return to List



Last Observed Sample: 08/30/2012 04:36 (CDT)

Wind Speed: 33 knots Gusts: 42 knots Direction: 171° T

Pilots Station East, SW Pass, LA - Return to List

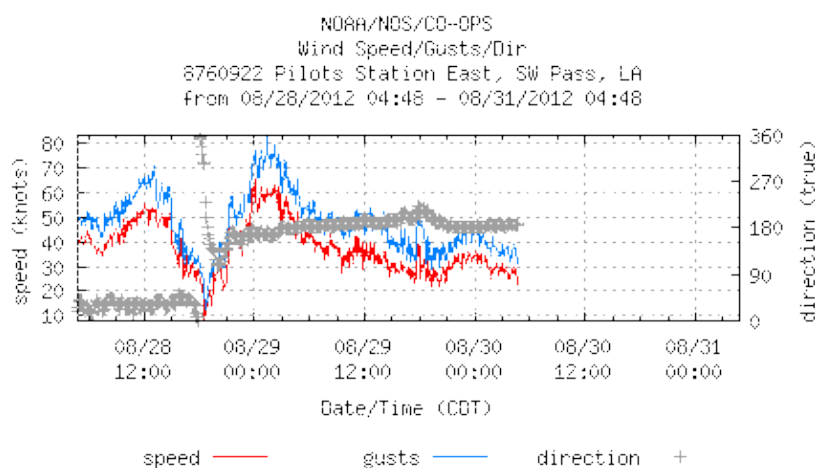


Last Observed Sample: 08/30/2012 04:42 (CDT)

Relative to MLLW: Observed: 2.51 ft. Predicted: 1.03 ft. Residual: 1.48 ft.

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

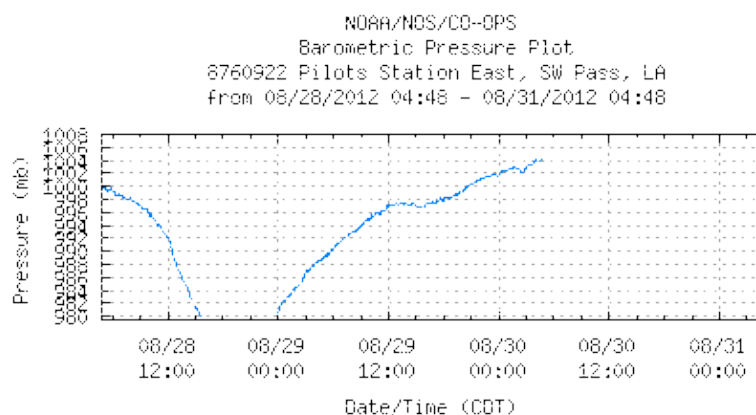
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/30/2012 04:42 (CDT)

Wind Speed: 23 knots Gusts: 31 knots Direction: 189° T

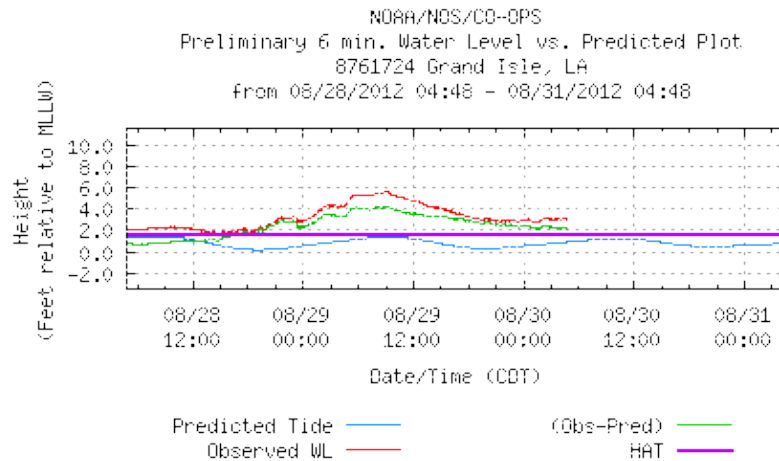
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/30/2012 04:42 (CDT)

Barometric Pressure: 1004.3 mb

Grand Isle, LA - Return to List

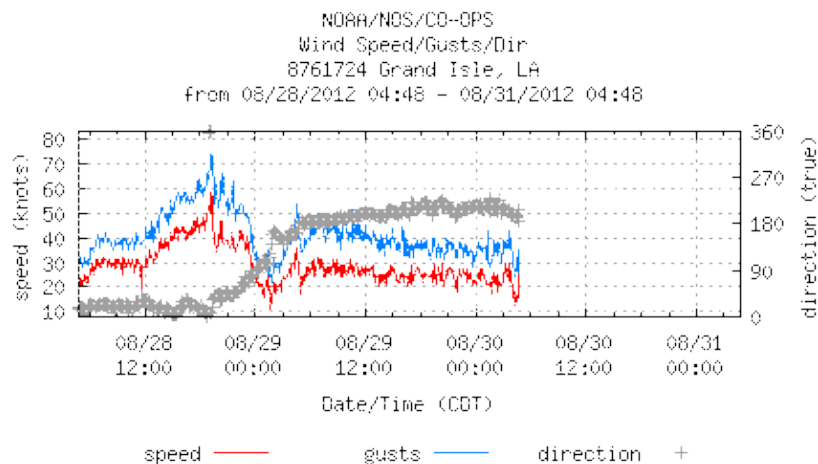


Last Observed Sample: 08/30/2012 04:42 (CDT)

Relative to MLLW: **Observed: 3.12 ft.** **Predicted: 0.91 ft.** **Residual: 2.21 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

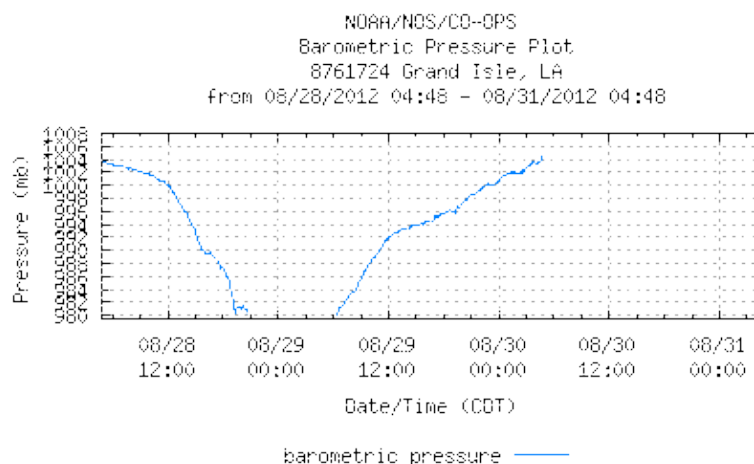
Grand Isle, LA - Return to List



Last Observed Sample: 08/30/2012 04:42 (CDT)

**Wind Speed: 27 knots** **Gusts: 35 knots** **Direction: 206° T**

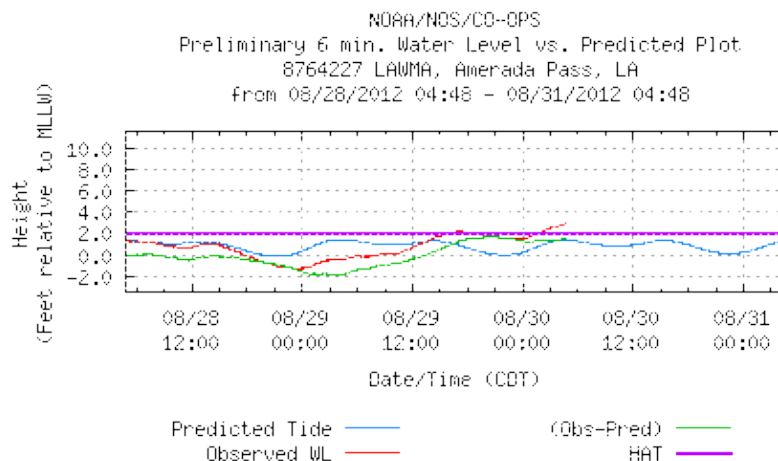
Grand Isle, LA - Return to List



Last Observed Sample: 08/30/2012 04:42 (CDT)

Barometric Pressure: 1004.4 mb

LAWMA, Amerada Pass, LA - Return to List

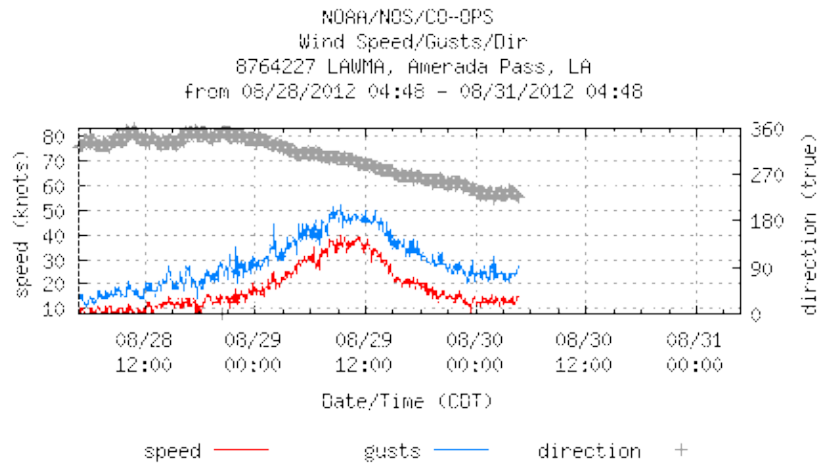


Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: **Observed: 2.93 ft. Predicted: 1.35 ft. Residual: 1.58 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

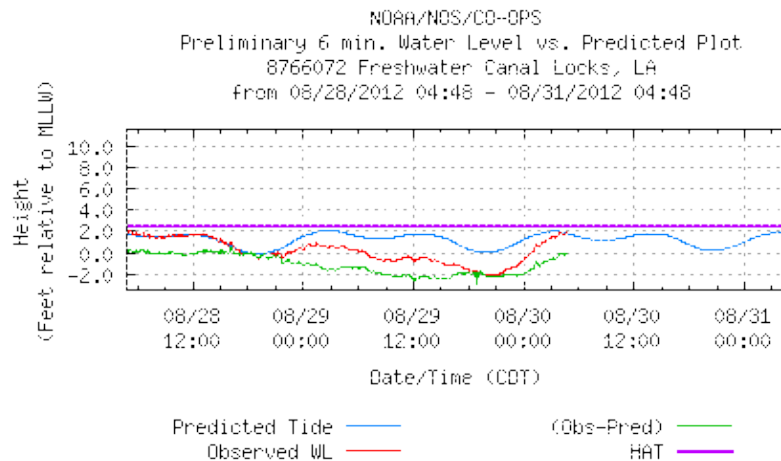
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/30/2012 04:36 (CDT)

Wind Speed: 15 knots Gusts: 27 knots Direction: 225° T

Freshwater Canal Locks, LA - Return to List

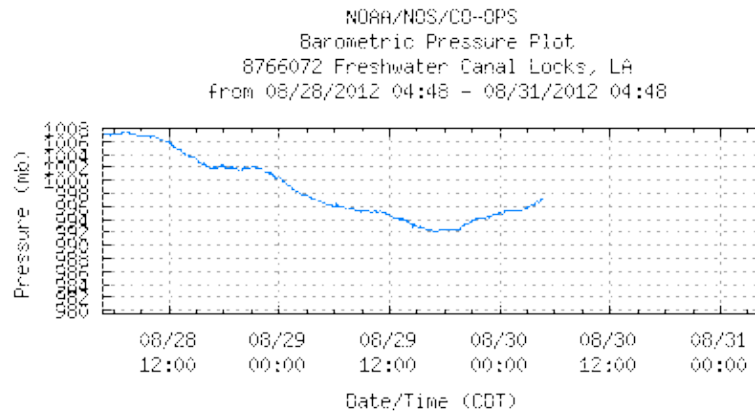


Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: Observed: 1.81 ft. Predicted: 1.85 ft. Residual: -0.04 ft.

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

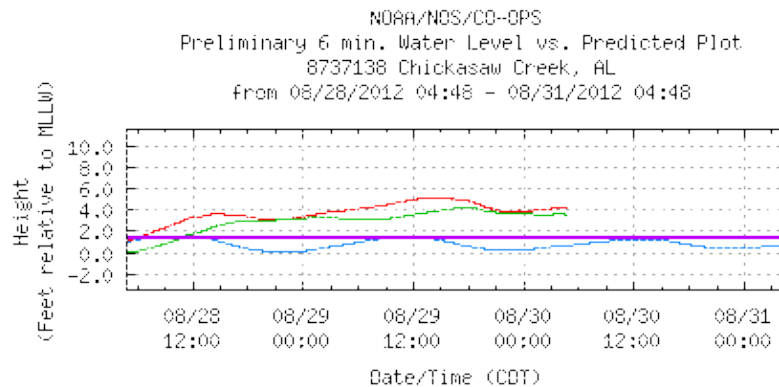


barometric pressure —

Last Observed Sample: 08/30/2012 04:36 (CDT)

Barometric Pressure: 997.1 mb

Chickasaw Creek, AL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

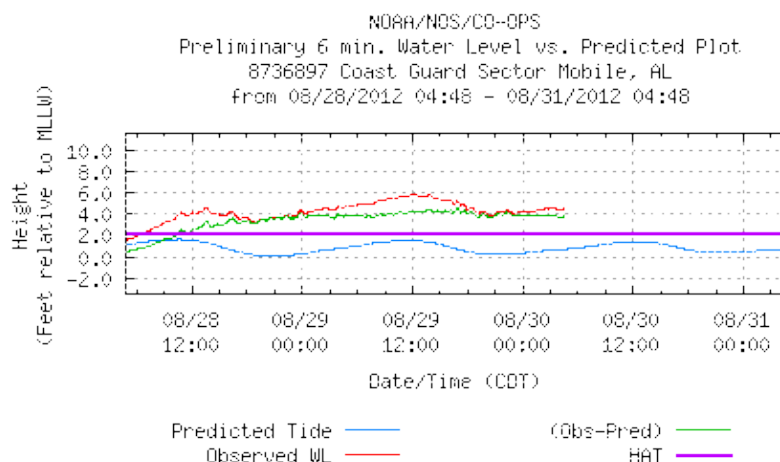
MHHW —

Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: **Observed: 4.27 ft.** **Predicted: 0.68 ft.** **Residual: 3.59 ft.**

Historical Maximum Water Level: , 0 ft. above MHHW

Coast Guard Sector Mobile, AL - Return to List

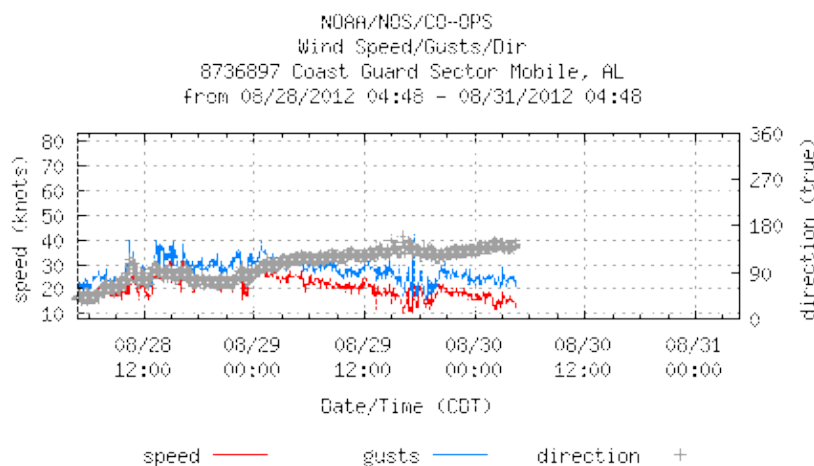


Last Observed Sample: 08/30/2012 04:30 (CDT)

Relative to MLLW: **Observed: 4.53 ft.** **Predicted: 0.72 ft.** **Residual: 3.81 ft.**

Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW

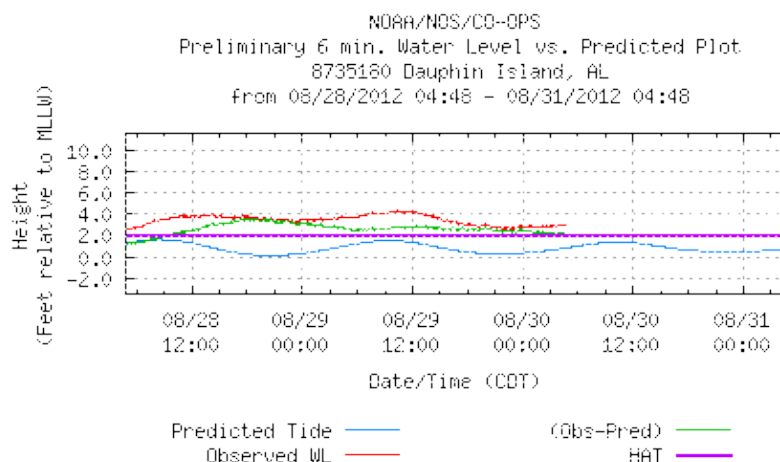
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/30/2012 04:30 (CDT)

**Wind Speed: 13 knots** **Gusts: 23 knots** **Direction: 145° T**

Dauphin Island, AL - Return to List

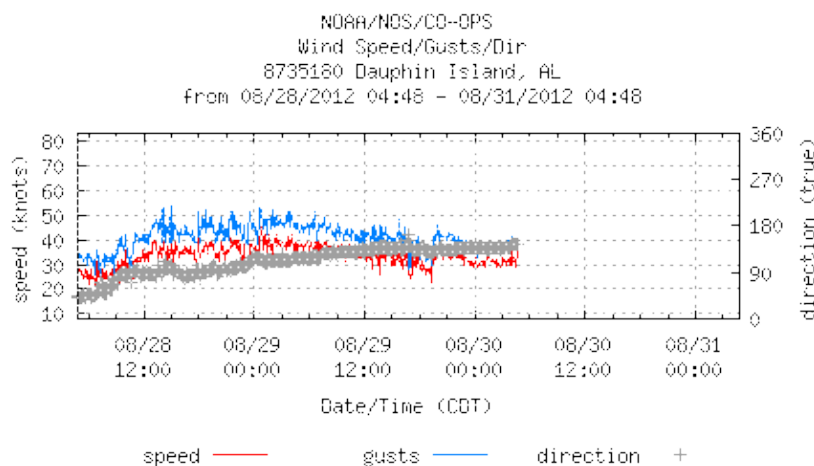


Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: **Observed: 2.97 ft.** **Predicted: 0.82 ft.** **Residual: 2.15 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

Dauphin Island, AL - Return to List

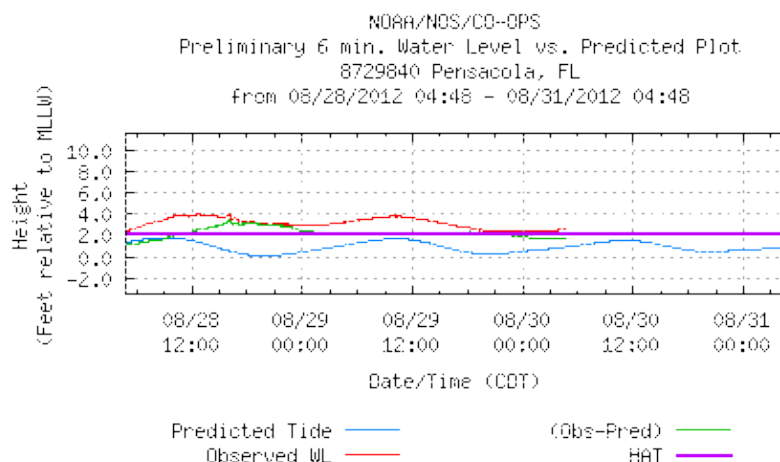


Last Observed Sample: 08/30/2012 04:36 (CDT)

**Wind Speed: 35 knots** **Gusts: 39 knots** **Direction: 146° T**



Pensacola, FL - Return to List

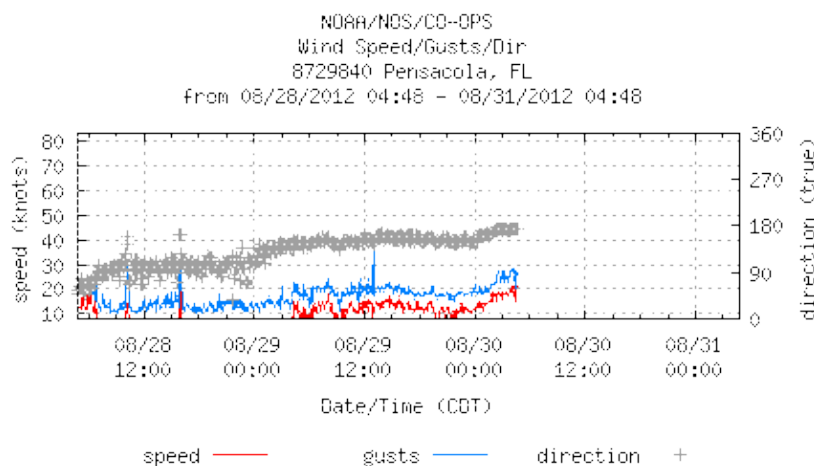


Last Observed Sample: 08/30/2012 04:36 (CDT)

Relative to MLLW: **Observed: 2.64 ft.** **Predicted: 0.91 ft.** **Residual: 1.73 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

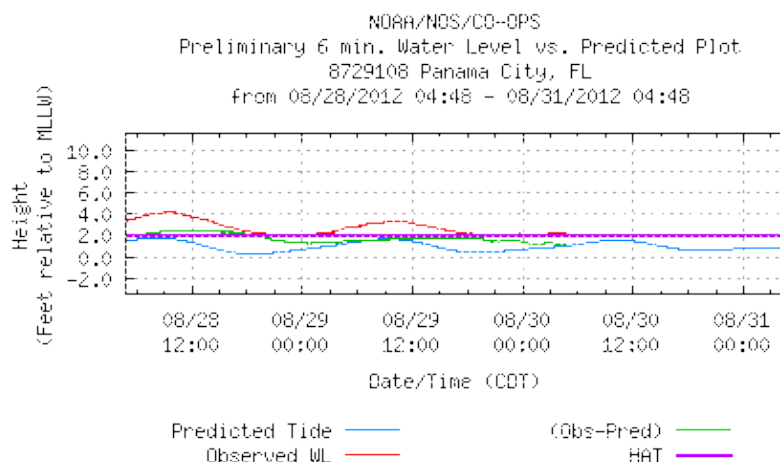
Pensacola, FL - Return to List



Last Observed Sample: 08/30/2012 04:36 (CDT)

**Wind Speed: 21 knots** **Gusts: 26 knots** **Direction: 174° T**

Panama City, FL - Return to List

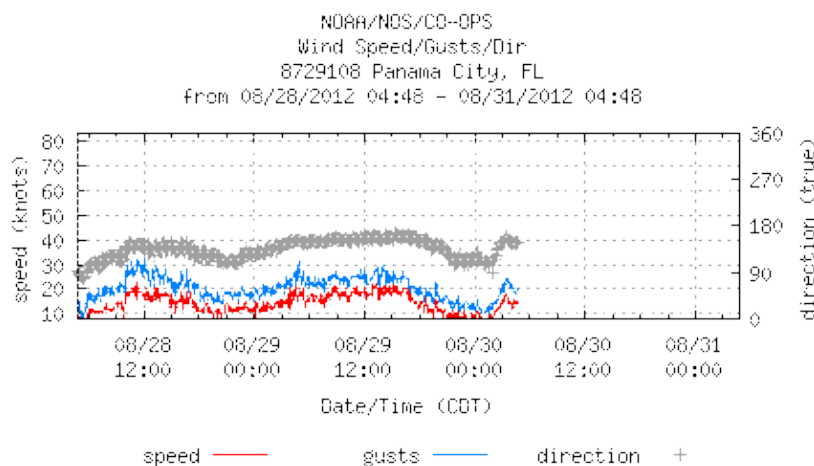


Last Observed Sample: 08/30/2012 04:42 (CDT)

Relative to MLLW: **Observed: 2.20 ft.** **Predicted: 1.02 ft.** **Residual: 1.18 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

Panama City, FL - Return to List



Last Observed Sample: 08/30/2012 04:42 (CDT)

**Wind Speed: 15 knots** **Gusts: 20 knots** **Direction: 150° T**

Tropical Storm ISAAC QuickLook, POSTED 05:00 CDT 08/30/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce